

Product datasheet for **MC216706**

Alg1 (NM_145362) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Alg1 (NM_145362) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Alg1
Synonyms:	HMAT1; HMT1
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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Fully Sequenced ORF: >MC216706 representing NM_145362
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCCCGGATCGCC

ATGGCAGCGTCTGCGTGGCGCTGCTGGTTCTGGCGCTGCTGTTGCTGGTCTGCTGCTGGGCTTGTGGA
 AGCGTGGGCGGCAAACGGGCAGGGCCCGCACATGGTCGTCGTTGCTGGGCGACGTGGGCCGAGCCC
 CCGCATGCAGTACCACGCGCTGTATTGGCCAGAGCGGCTTTTCGGTGACGCTGCTGGGTTCTACAAC
 TCCAAACCTCGAGATGAACTCTTGCAGAATGATAGGATTCGGATTGTGAAGTTGACAGATCTGCGGGCC
 TGGGAGCTGGGCCCGAATTCTCCAGTATGGAGTCAAGTTGTATTTAGGCAGTGTACTTGTGTGAA
 GATGATGCGCATGGACCCTGCAGCCTACATCTTCTCCAGAACCCTCCAGGTCTGCCTGCTATTGCCGTC
 TGCTGGTTTGTGGGCTGCATTTGTGGGAGCAAATGGTCATCGACTGGCACAACATGGCTACTCCATCA
 TGGGCTTGGTCCATGGCCCCGCCACCCATTGTGCTGCTGGCCAAATGGTATGAGAAGTTCTTCGGGCG
 CCTGTCCACCTGAACCTGTGTGTGACCAATGCTATGCGGGAGGACCTGGCAGAGAAGTGGTGTGTCAGG
 GCTGTGACGCTCTACGACAAGCCAGCATCTTTCTTAAGGAGACACCCCTGGACCTGCAGCATGAACTCT
 TTATGAAGCTGAGCCACACGTACTCTCCTTTCCAGAGCTGCTCAGATCCCTCACATCCTGACACAGAGAG
 GTCGGCCTTCACTGAGAGGGATTGTGAGAGCGGGTTGTGAGGCGTCTGCATGGGCGGCCAGCACTGCTC
 GTGAGCAGCACAAGCTGGACAGAGGACGAGGACTTCTCCATCCTGCTTCGAGCATTAGAAAAGTTTGAGC
 ACAAGCACTCACTGGAGACAGCCTCCCTTCCCTCGTCTGTGTGATAACAGGGAAGGGACCGCTCAGAGA
 GCACTACCGCCACCTCATCAGCCAGAAGCACCTCAGCACGTCCGGTTCTGCACCCCATGGCTGGAAGCC
 GAGGACTACCCACTGCTTCTAGGGTCAGCGGATCTGGGTGTCTGTCTACACATGCTCCTCCAGTGGTCTGG
 ACCTGCCCATGAAGGTGGTGGACATGTTTGGGTGCCACTTGCTGTGTGTGCCGTAAGTCAAGTGTCT
 GCACGAGCTAGTAAGACATGGAGAGAATGGTCTGGTCTTCAAGGATGCTGAGGAGCTGGCAGCTCAGCTG
 CAGATGCTTTTCTCAAAGTTCCAGACCCTGCTGGAAAGCTAAGCCAGTTCGGAAAGAACTGCAGGAGT
 CGGGGAGCAACGCTGGGATGAGAGCTGGCAGCACACTGTGCTCCTCTGCTCGCTCACTCACAGATGAC
 CCCCAGGCCCCATCCACCCTGTGGCCACCCTTCTGCCGGGCTTTTGA

ACCGGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI

ACCN: NM_145362

Insert Size: 1449 bp

OTI Disclaimer: Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).

Components: The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).

Reconstitution Method:

1. Centrifuge at 5,000xg for 5min.
2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.
3. Close the tube and incubate for 10 minutes at room temperature.
4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.
5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.

RefSeq: [NM_145362.2](#), [NP_663337.2](#)

RefSeq Size: 1772 bp

RefSeq ORF: 1449 bp

Locus ID: 208211

UniProt ID: [Q921Q3](#)

Cytogenetics: 16 A1

Gene Summary: Participates in the formation of the lipid-linked precursor oligosaccharide for N-glycosylation. Involved in assembling the dolichol-pyrophosphate-GlcNAc(2)-Man(5) intermediate on the cytoplasmic surface of the ER (By similarity).[UniProtKB/Swiss-Prot Function]